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Reviewer: markspencer

Timestamp: [year=2008; month=10; day=17; hr=14; min=55; sec=32; ms=1;]

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Application No: 09509712 Version No: 1.0

Input Set:

Output Set:

Started: 2008-10-17 14:12:35.466

Finished: 2008-10-17 14:12:37.703

Elapsed: 0 hr(s) 0 min(s) 2 sec(s) 237 ms

Total Warnings: 0

Total Errors: 0

No. of SeqIDs Defined: 127

Actual SeqID Count: 127

<110> APPLICANT: Rubin, Donald H.
 Organ, Edward L.
 DuBois, Raymond N.
 <120> TITLE OF INVENTION: Mammalian Genes Involved in Viral
 Infection and Tumor Suppression
 <130> FILE REFERENCE: 01123.0004

<140> CURRENT APPLICATION NUMBER:09509712
 <141> CURRENT FILING DATE:2000-03-31
 <150> PRIOR APPLICATION NUMBER: PCT/US98/21276
 <151> PRIOR FILING DATE: 1998-10-08
 <150> PRIOR APPLICATION NUMBER: 60/062,021
 <151> PRIOR FILING DATE: 1997-10-10
 <160> NUMBER OF SEQ ID NOS: 127
 <170> SOFTWARE: FastSEQ for Windows Version 4.0

<210> SEQ ID NO 1
 <211> LENGTH: 925
 <212> TYPE: DNA
 <213> ORGANISM: Rattus norvegicus
 <220> FEATURE:
 <221> NAME/KEY: misc_feature
 <222> LOCATION: 1- 925
 <223> OTHER INFORMATION: n = g, a, c or t(u)
 <400> SEQUENCE: 1

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ggttgattgc tcttgaaagg ntttgagggtg naattcctcc gtnagtttga ccgtagtcgg	180
atntgaagag ggattgttna gcagncataa tttcattccc tgnacacca gtaacnnttt	240
accgtcattt gggtgggaat tgatntcggg aggtancaan ggccacagtt atttattggt	300
ncggaggatt gcaccaattn ggccggctgc ctctganatc tgtttctcat ccatgccggt	360
tcacccagac gaaagccgaa agcntcggga gtcctaactn tagtcctga aagtcattcc	420
cagctgcgta attgggctgt gcagagtcct agctcggtaa atatttgccc cgtgactgag	480
ctggagagaa tgctccttcc ttggtcctgg gcagctcttg gcagctcaca tgcactgttt	540
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caacagaaaa caaggcagag tggaacgaag gaaagtgcgt ggccgtaga aagcctgtct	660
cgaatctgtc ccacgtgcct caggtagcgt tccaaacagc aaagattcta gtgaagaaaa	720
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ccattcctct ggggaagggtg gggggggcg tgtaatgcag ctctcaagaa gaaggatatt	840
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 <222> LOCATION: 1- 554
 <223> OTHER INFORMATION: n = g, a, c or t(u)
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ttgggaagag gaggaccgtg gttnataaat aacagaaagc ccagagggaac gtanccatcc	180
gggatggaga gaggtaggga atccagntgt aagtcccaaa ctgccaccac cttcatnaga	240
actgcttcgt gtaaggtcac gcaccgggcc agctgtccng agtggcggtc ctggcgtgtt	300
aagttagcta aagtnactgc aactccgnct gtgcagactg ntcgtaaatt ctctctgtcc	360

gccaaattct	ccctcctatt	aaacttttca	cttcctttca	cttagtttcc	tnactttctt	420
caaacggaag	ctgtaactga	gcctgccacc	engnacntt	gtggttgcca	tttttatgct	480
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<223> OTHER INFORMATION: n = g, a, c or t(u)
<400> SEQUENCE: 3

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tnngatatta	tcacattntg	ngaancatg	tnggggcttc	ctttcngaca	ggtggtggtt	240
nnacangngg	atgtgtgctt	cttttttcag	cagtgggtga	cccgatttct	aagaccctta	300
cngtaacaat	gcctnttttt	cctaagccta	accagtcctt	tangaggant	gctcttgggn	360
acccatgctg	nntcacctag	ccttggntca	catnttnnac	acaggaaaag	gcagcatgtc	420
ttntnggagc	tcagcttatt	ccctcccnt	cccatccagn	atctccctgg	gntggatgag	480
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gaaatgtgtt	gcgcgaccag	gcttgtgtag	gaaacaacag	actactcgaa	attaaagtcn	600
taccttgcag	ggttctcaga	ggcttttacg	cattaataaa	catttgaatc	ntaagaaggg	660
agcacagcat	gtaatatntt	tcaaattatc	aggcnttgca	accttcatta	gtttctctta	720
cgcagctggg	ngtggtggtg	tgtaccttta	atctcagcac	tgaggaggca	cngatatctc	780
catctctgtg	acttcacagc	cggcntcgcc	agagcaagtt	ccaggccacc	cagatgagat	840
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<220> FEATURE:
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<222> LOCATION: 1- 974
<223> OTHER INFORMATION: n = g, a, c or t(u)
<400> SEQUENCE: 4

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nttattgccg	nentttcccc	cccgtntttg	cncctcttta	cttngagant	ngtgntncna	180
agattttnaag	gttnttgccc	ccccggcttt	tnttccccctn	nttttccccn	nagnttttaa	240
accggtnntg	gttncnantt	nnttgnancc	necnattggg	gtttccgntt	accnggggtt	300
ttccccatgn	ccgttccctc	caatnttgna	cttcccnggt	cngggtcena	atnccnngna	360
acngntcnan	ccttattgac	aattaatttt	tccttgngna	ntctgncccc	cngnantttg	420
gggttcttgg	gngcagggcc	tttttttcnt	tggngncaan	cncataaatn	ttaccagntt	480
gattgctaag	gaagtancca	tggttgngaa	cccccccttn	ttntctccca	gatggaaccc	540
aggatttttg	aactgcagag	gcttcagggt	cttgggaagc	ggaggcaggn	aaagattgga	600
gtgcactgtc	cttttgcaat	atgggggtttg	cctgectgct	ggctcntctc	ctgctntntc	660
agatggtgac	tgaggctact	tcngcaggac	tnggaataat	catgtccagg	tggetgcctt	720
tccgagcaga	aaggacaga	cgtggggcga	tgaagttgct	atcgtttntt	tttttttctg	780
cacagactgc	aaagtgtgca	gagggaggga	ggctgtgcaa	aaaaaaaaaa	aaaaaaaaaa	840
aaaaaaaaaa	ccgaggacgc	agaagttaga	ctgctgacct	atgtggtgca	tgtgtgcccc	900
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<222> LOCATION: 1- 850
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    gttaggggga cccgnnggaa aattttaaaa ccnngngggc tttttcgaat taaggggaaa      180
    ngcggttng gtnnntgaag ggcggnggt tggagtcna gtccagagtt gatttccacc      240
    cacaaatntg ggaggtgncg gggaatgntg ncnttttctt gngatgaggg ntgccgtnc      300
    ggantaacag ngnttgcntt gtntngcnaa acgaagagtn tctgnttgg aataggngtt      360
    cngttcgang ganccagatt tangngntgg agnaaggatt nggcagataa angcntgaga      420
    natgnanent ggancaggtc nggnennagn ntacagatga tgnnccana canganataa      480
    ntncagatca cagtcgtacc cngggtggg ccatgaanag ggcacccca gacnnacaca      540
    ngccttnana antgntcaga gaaccancag tggntanggg ntgccnnnnn naccaggga      600
    gaccgggggc gtgncggata ttgacacanc agatnncatt tggggncggt tcgagggttn      660
    atgntcnccg agtacnagan angatcntcc aaccgggaat ncgggtgctcc ngtcgtccga      720
    tgnaatgagt cgnccggnaa cctcatatcc aagaaacnat acagcagtgg nntccgagtc      780
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<223> OTHER INFORMATION: n = g, a, c or t(u)
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    ananacatca gagatctctn gnacagtgtt tcacaagagt ctatcnana gagcacatct      180
    gcccggggng anacacaact ctaaagtgt ctcanntgat ctctctnttg tgtctctnac      240
    atatngggac atgtctcag agtatngnt ctcttgngcn ctntgcaca cacacacaca      300
    cacacacaca cacacacaca cacncttctc tctggcacag ggntatggca nagcacatnt      360
    tnnagntca nagctntata tgagtgtgtg gcgaaaggng tnatnanann gacnnccca      420
    gcnnatatag gggggngnnc tctngggctc tcttnggnaa tntgngggng agtctgenca      480
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<212> TYPE: DNA
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<221> NAME/KEY: misc_feature
<222> LOCATION: 1- 572
<223> OTHER INFORMATION: n = g, a, c or t(u)
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    aaccnccggg nctcntgtt tattttaaaa aaaaagagtc ncatgtntat ttctctnatg      180
    tgaaaatcnc attcanagtt ntgggggttc cnttgaggag anataagatt tcacactctt      240

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ctctccgagg	ggtcntenca	tgtntctccc	caatgtgnng	ggnacacaca	tngggccccc	300
agggggtgng	ctctctctgc	ncagggnccc	ccccaanang	tagaganaca	ntgtggtgtt	360
tcacaacaca	attcncgaga	nattntgttc	cncantggnn	gtctnagntc	ncatgttggtg	420
gngacangtt	agnncccc	atnttcnccc	ccctttcaca	ctgccccnag	agagagaaan	480
tctnngccccc	ctctanant	ntttttaaat	cnccccnnac	cacaggtnnt	cccagggtat	540
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<213> ORGANISM: Rattus norvegicus

<220> FEATURE:

<221> NAME/KEY: misc_feature

<222> LOCATION: 1- 906

<223> OTHER INFORMATION: n = g, a, c or t(u)

<400> SEQUENCE: 8

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gcgagaanac	tctgtnnant	ngtctccccc	cncnccnaca	gngtganant	caaaacctct	120
agagcccccc	agaaancccc	tntctcaaan	aaagagaaaag	agaagancga	gnagnagaga	180
gananagaga	gagagagtgt	gganctntnt	cctcngancc	ccannnanan	ngtgnggcnc	240
actcncnngt	gnngngnacc	ccnggggatt	tnccgctgtc	cccttgngct	ctgtntanga	300
gananatatg	tntagtctct	ctntcgcccc	ctccgntgtc	acgtgtgcgg	ggcccnggag	360
acacagacac	ntctctcang	gggaacacat	anngactcnc	acntgtgttt	atattcnccc	420
ctcccnctca	cacanacaca	cacacagnag	atattnngct	actctctctc	tgtcacaggg	480
gtacanattt	antctnggcc	anaccctct	cngaagngng	ggcanngtaa	accccgcgcc	540
ctctcngaga	angngagggc	gntttacntt	ccngtgggcg	tgtncnggcc	cccagactc	600
cccttngnac	ccccctntna	accctctntt	tgaacncaac	ncacctcccc	cnttttctcg	660
gggngngncc	ngcncccnct	ctcncaaaaa	aaattnnnaan	ttngtcccct	nccccntnt	720
ttcnggnana	aaccgtgtcc	ggggggggan	nactcttttt	tgnccttaaa	atcaantttt	780
ttcccccttt	ccnggggacc	cccgntttcc	tttttaaaaa	aaaanaaccc	tttctccctt	840
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<220> FEATURE:

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<223> OTHER INFORMATION: n = g, a, c or t(u)

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gactcccatc	tctntntntn	ccccaganc	tggngaacgg	ngtgtggnga	ncctntctctg	120
ttctcnantc	tctaaaagng	cnaaaagcgc	ananacacgn	gcctctctat	anatctcacg	180
tgtcccnngn	nctctcngac	ccctnntctg	tntgagagac	accctntctc	aaaatatagt	240
gtacacgngc	tttgnggctc	tccccttttc	tctccactnt	tgagngngaa	acgcggngtt	300
ntctctgaga	tgtaganagn	gtccctnct	cnatatatgt	gttnccctact	ccnnagggng	360
tctcataaaa	atcncntntc	tcaacaccac	cncctcnacc	ccccncacga	gaacacntcn	420
ccaccncnan	gacacaaaana	naaggngtnn	anaaccccan	aaaaactnng	ntntcngntt	480
tacacacaca	cacacncaen	ctcnencaca	ccccacnna	aatgggagaa	aaaacagaga	540
ggngtggtg	ttngnntcaa	cacctnttta	cctctctgnt	gnnanttgag	aaaatatttc	600
tnntcttacc	cctctccctc	ctctgtgtgt	ngannatatc	ngntctagat	gtcctnaccc	660
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anangagaag	gnccaaaaag	gngggngtct	tctcggaat	ncnccctttt	ggccccccaa	780
cctgggtttt	tttccccctt	ccttttaaatn	antttttcna	nacaaancctt	tnngngtttn	840
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<223> OTHER INFORMATION: n = g, a, c or t(u)

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gtgagatata	tgtgattctg	tggtggtgtt	ctcagagggg	gtttgggtta	ttggggataa	180
tagtttgccc	ctcgcggggt	ctatatattat	atatgtgaca	caatatatta	gagagatttt	240
tggttatata	tatttccctt	cgcggggggtg	gagatttatc	acagggggag	agcttttccc	300
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<223> OTHER INFORMATION: n = g, a, c or t(u)

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tgtctcagtc	cacattaagg	tttgctgna	aattagtgca	taagccatgg	gagacaaatt	420
cttttcennac	acaattaata	gtntcttant	ccttcccctc	ttctctgccc	cattctgttt	480
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ggagaaaatt	ccagtcagtg	gagtcatggg	cagggggagg	gggtggggtaa	gggcagtggc	600
gctcattcct	nacatgggtg	cttctcttgc	ctagcctggg	atctgagggc	aagagaacct	660
gtaagcttga	tttgatttcc	actgctgact	ggagtcactg	ccaagggatt	tgggacttct	720
ccatctctct	ctctaacctg	aaatccttag	gattctatta	tttcaccgga	ccagagctgt	780
agcagagatg	agctccaagt	ttgaaatgag	aaaggggaaa	ttgagagcta	tgagctaggn	840
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<222> LOCATION: 1- 909

<223> OTHER INFORMATION: n = g, a, c or t(u)

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nagacgggtg	nnggggggga	ggggcaggag	nggnagagag	gcangnngg	agnggggaca	180
agcnnaaanc	gaggaggnan	gangngangg	nnggnngnnc	gaaggcgcn	aagnnggtcg	240

gngagcggna	gnggnnaaac	tggggaacga	gacagacggc	cccnncggng	gcangnggga	300
gagnnncgcc	agngagagna	gncagnanca	gancanggga	ggggggggan	ncacnggcgg	360
gagggncgan	gacggnnngn	annggnnaga	ggcannnnnc	gccnanagng	ngaagngagg	420
cangagtgnc	gcnnagagnag	acaggcccg	gcnccgggg	cagacnnngg	ncaccaccga	480
gggtgggngg	ggcncggaga	naagaccaga	ggnnngagg	cgangggcng	ggtnggcccg	540
ggccnccna	aaaaaanncc	gaaaaaaaaan	aaggggcgc	gcngggcngg	ggaggagcgc	600
ntnncgtang	tngantgacg	gaggccngna	atngggccgn	gccanncnag	ggcgnagagg	660
cccaagngcg	gnagngnaa	gnanaganc	ngnnggtngg	gagnganagn	gcnnnggncc	720
nacccccngn	gttganggc	cccacgncg	ngcaggccgn	nnaaagngag	tccccnaaaa	780
nntcngggtn	tnacancgnc	ccggggncgc	cgcnngtcc	cgncacacng	gannncggag	840
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gaaaagnc						909

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<212> TYPE: DNA

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<220> FEATURE:

<221> NAME/KEY: misc_feature

<222> LOCATION: 1- 927

<223> OTHER INFORMATION: n = g, a, c or t(u)

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ncccnngggg	gggggnttnt	ccagggaant	aaaanggtgn	gttggggggg	aaaaatttat	120
tttnaaaaag	ggcgnccnat	ataaangaen	ttcggggggg	tttgaanagg	gccggaan	180
tcgacgggtt	tccggngggg	ganaaggana	agggnacgca	cgggatttct	tncccttttt	240
tngcaaattg	cngcaggana	ccaccgggtg	gggnggtttt	gttttccgtn	aagaaagcgg	300
gngtggaaaa	acanggataa	acgggaagan	ggggttattt	nggttagnaa	ttgnttccag	360
ngnggccagg	aaattggcct	gtccaaaatt	cttttccng	cttttaagac	aggcagggtat	420
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aanacaagna	anaaaggctg	gtctcacata	tcccaaagct	ttatcttct	aggtgcccc	600
tggtgaacgt	taagccaagc	ntatgantca	caagggacga	catgggcagg	ntaggtaca	660
gaatcagtg	tcagagactc	caggggcacc	cctgattccc	tttgctgtca	cacagacact	720
gctccaggga	caaccctccg	gatgtgagta	tatgacttcc	tgatggtgac	gctgccgtga	780
tgggacactc	ntcgtggtag	cacacattcc	tcagtcagct	tctgagctc	aggggccag	840